



### FA1-00613-1 University of California, Los Angeles - CIRM Institute

Facilities Working Group Score: 73

Requested Funding: \$29,646,274

FWG Recommended Funding: \$21,641,780

Possible points →	Value 25	Leverage 25	Urgency 20	Shared Res 15	Functionality 15
<b>FWG Score: 73</b>	<b>17</b>	<b>11</b>	<b>20</b>	<b>13</b>	<b>12</b>

#### PROPOSAL:

This application proposes CIRM funding for 20.1% of a 176,590 gross square foot (gsf) five-story building (one level below grade) currently under construction at this institution. The CIRM portion of the 105,265 assignable square foot (asf) project consists of one entire floor (21,114 asf; 34,587 gsf) with a total cost of \$41,834,478, of which CIRM funding is requested for \$29,646,274. The building will contain an interdisciplinary program involving faculty from life sciences departments. The applicant notes the new facility includes core laboratories to provide technical and developmental support for the programs including computational and bioinformatics analysis of stem cells, advanced cell separation technologies, bioengineering for stem cell growth including organ scaffolds, advanced and vital microscopy, advanced mouse genetics, and vector production. At occupancy, the facility will house 15 research teams (PIs) of which nine will be new recruits. The plan includes space for “young faculty development” intended to accommodate three or four such candidates. The core facilities are to complement the extensive existing cores available to support stem cell research. Completion of the project is scheduled for May 2010.

#### COST:

##### Cost Summary Table

Cost Category	Total Amount	Amount/PI*
Building	\$32,412,723	\$2,160,848
Group 2 Equipment	\$9,421,755	\$628,117
Total	\$41,834,478	\$2,788,965
Requested CIRM Amount	\$29,646,274	\$1,976,418
Applicant Amount	\$12,188,204	\$812,547

\* Based on number of PIs included in the Part 1 Capacity/Use table

#### SUMMARY OF FACILITIES WORKING GROUP REVIEW AND DISCUSSION

**Value**—The reviewer indicated that the application was a good proposal, but expressed concerns about the value category. She noted that there are 15 PIs to be assigned space, and that this project assigns the least amount of asf per PI as compared with other applications. It was also noted that equipment costs are at \$272 per gross square foot, which is twice the

average for applications in the category of CIRM Institute. The applicant indicated that the high cost of equipment is due to the core resources that are very specialized and require considerable investment of equipment funds. The reviewer noted that the applicant is one point short of silver LEEDS rating. Having done a number of these types of projects, he believed the applicant will be able to find some attribute of the project to increase the LEEDS score by one point.

**Leverage**—It was noted that the leverage for this application is the lowest in the Institute category. The applicant indicated that there is a considerable investment being made in stem cell research at the institution with a \$20 million gift over five years, but most of that investment is not part of the project except for some equipment.

**Urgency**--The FWG endorsed the project team and its extensive expertise at delivering large scale projects on time and on budget. The reviewers noted that urgency should be rated very high as the applicant has already started the shell construction and the current schedule suggest that the applicant is ahead of schedule thereby mitigating project risks.

**Shared Resources**—It was noted that the applicant has established a record of collaboration, and that space in the facility would be available to outside collaborators. The reviewer also pointed out that there are central functions available for use by the stem cell program.

**Functionality**—It was noted that the design limits the space available for researchers to meet outside of their lab space. The laboratory planner noted the applicant was accounting for their cores as well as all of the research labs all in one floor space. These spaces will include many PI teams as well as offices and support spaces. He noted the space is to support junior faculty and expressed concern that as the junior facility programs grew in size, it would be difficult for the applicant to provide additional space as there appears to be no room for expansion. He also found low functionality due to the extremely high density of faculty going in to the facility and that the higher density could impact the functionality and limit interaction. It was noted that the positive side of high density is that the applicant had a lot of different people together in one space including a lot of very senior people. The applicant responded that the project was designed for maximum efficiency and that existing interactive space met the applicant's needs.

The FWG score for this application was 73. During programmatic review, the FWG voted to recommend funding of \$21,641,780, representing 73 percent of the requested amount of \$29,646,274.